Fig.1

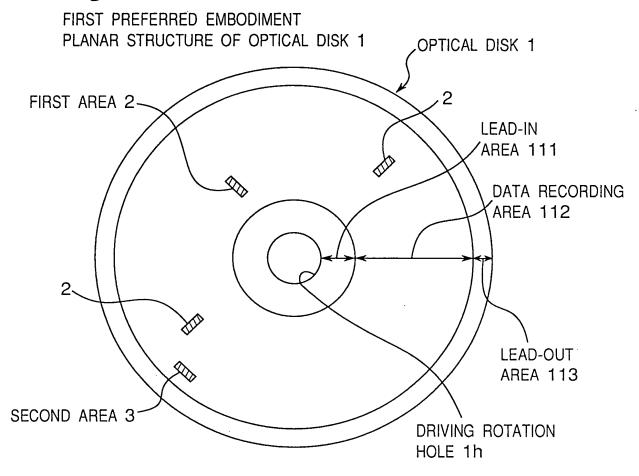


Fig.2
SECTIONAL STRUCTURE OF OPTICAL DISK 1

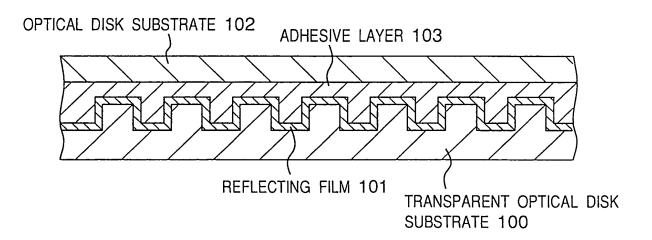


Fig.3
SECTIONAL STRUCTURE OF FIRST AREA 2

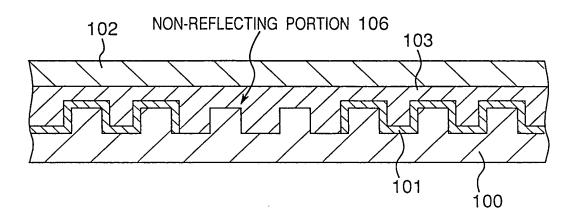


Fig.4
ENLARGED VIEW OF SECOND AREA 3

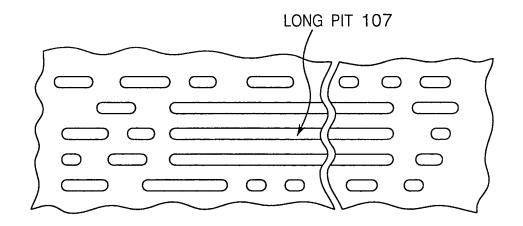


Fig.5

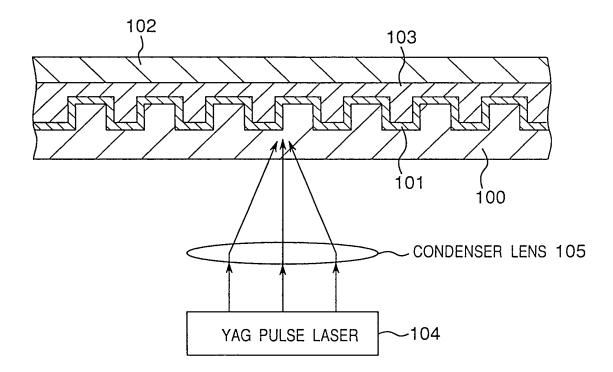
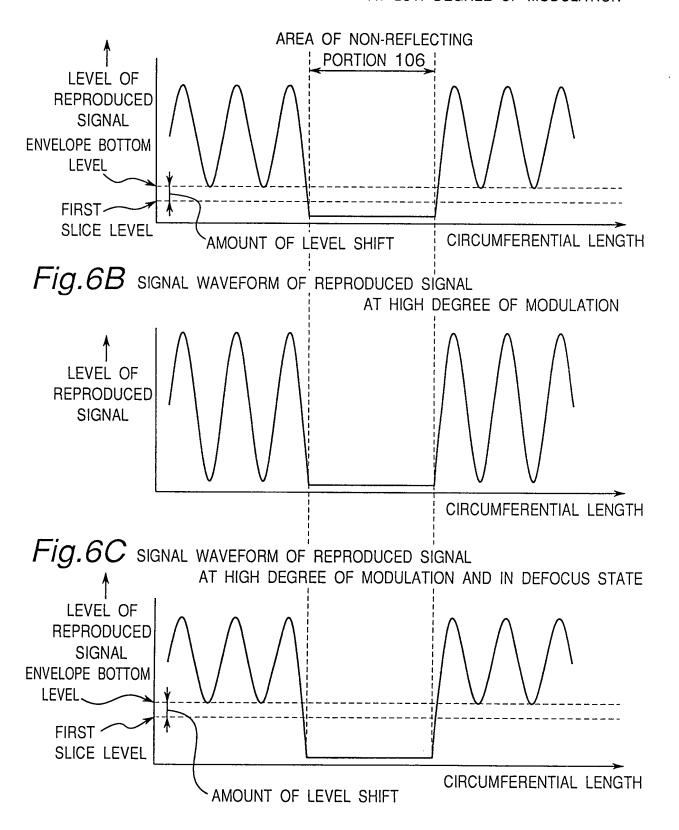


Fig.6A signal waveform of reproduced signal at low degree of modulation



Fia. 7

FIRST AREA DETECTING CIRCUIT 23a

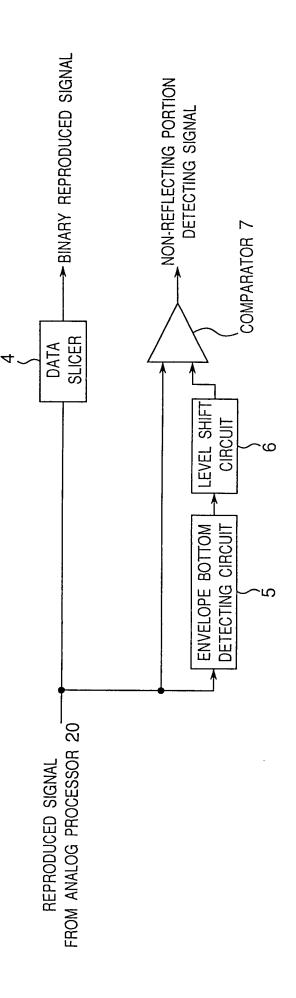


Fig.8

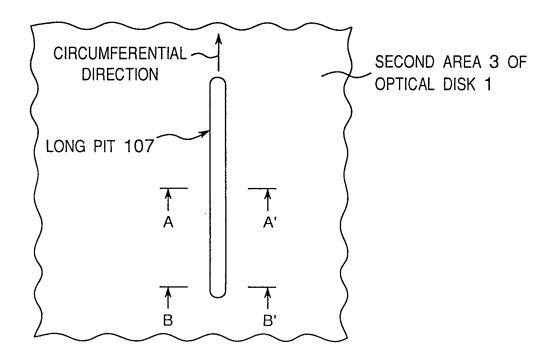


Fig. 9A cross section in the center of long pit 107 (taken along line A-A' of Fig.8)

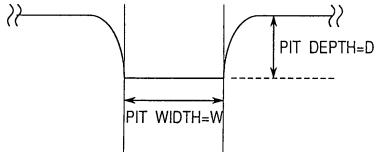


Fig.9B cross section in the end portion of long pit 107 (TAKEN ALONG LINE B-B' OF Fig.8)

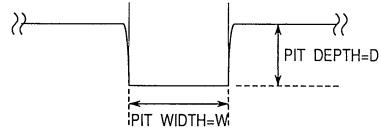
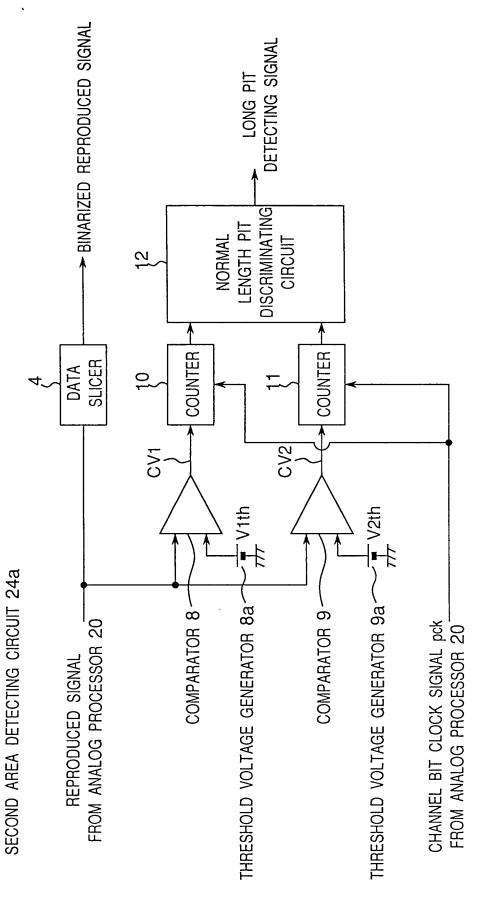


Fig. 10



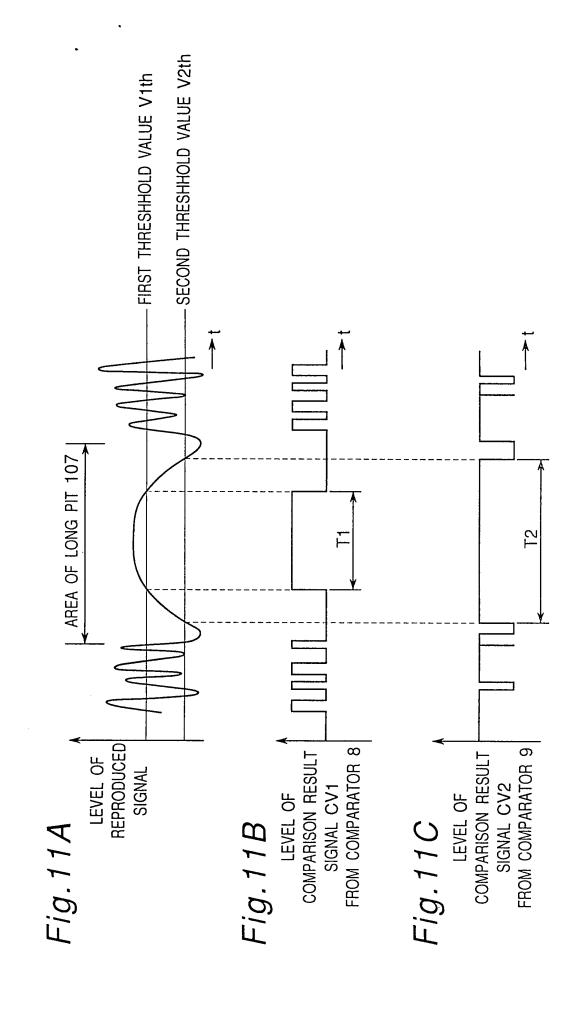


Fig. 12

AREA OF LONG PIT 107			
AREA OF NON-REFLECTING PORTION 106			
	(a) AUTHORIZED OPTICAL DISK	(b) FIRST PIRATED OPTICAL DISK	(c) SECOND PIRATED OPTICAL DISK

Fig. 13
SECOND PREFERRED EMBODIMENT

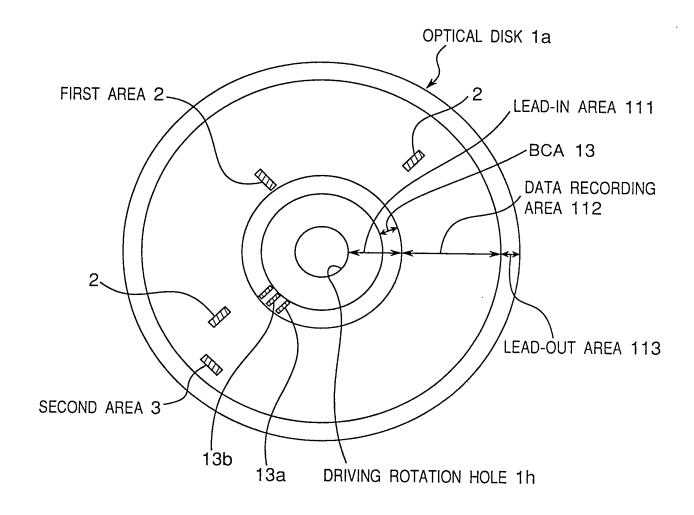
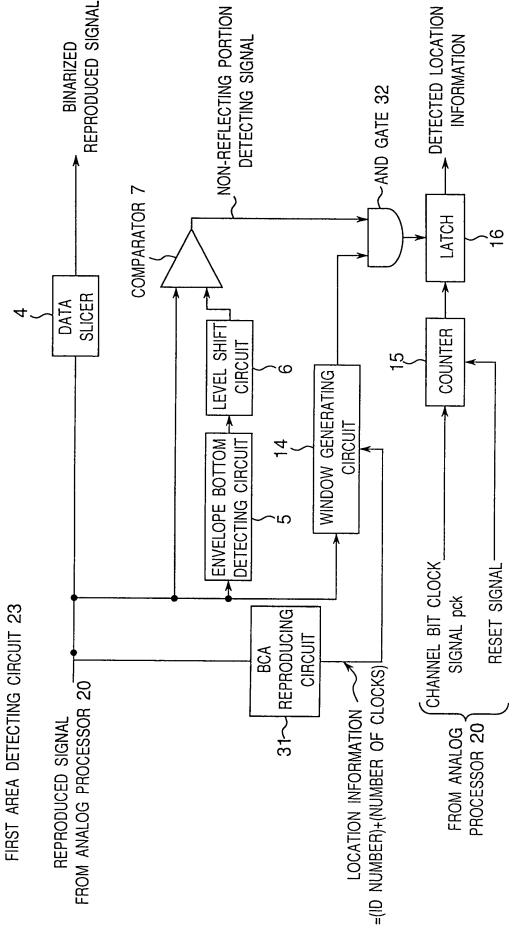


Fig. 14



DETECTING LONG PIT SIGNAL REPRODUCED SIGNAL BINARIZED DISCRIMINATING LENGTH PIT NORMAL CIRCUIT 7 COUNTER COUNTER SLICER DATA 10 WINDOW GENERATING CV2 S CIRCUIT ✓<del>‡</del> V2th V1th COMPARATOR 8-COMPARATOR 9-88, 9a, CHANNEL BIT CLOCK SIGNAL pck FROM ANALOG PROCESSOR 20 SECOND AREA DETECTING CIRCUIT 24 - REPRODUCING CIRCUIT BCA =(ID NUMBER)+(NUMBER OF CLOCKS) FROM ANALOG PROCESSOR 20 LOCATION INFORMATION -REPRODUCED SIGNAL 37)

Fig. 15

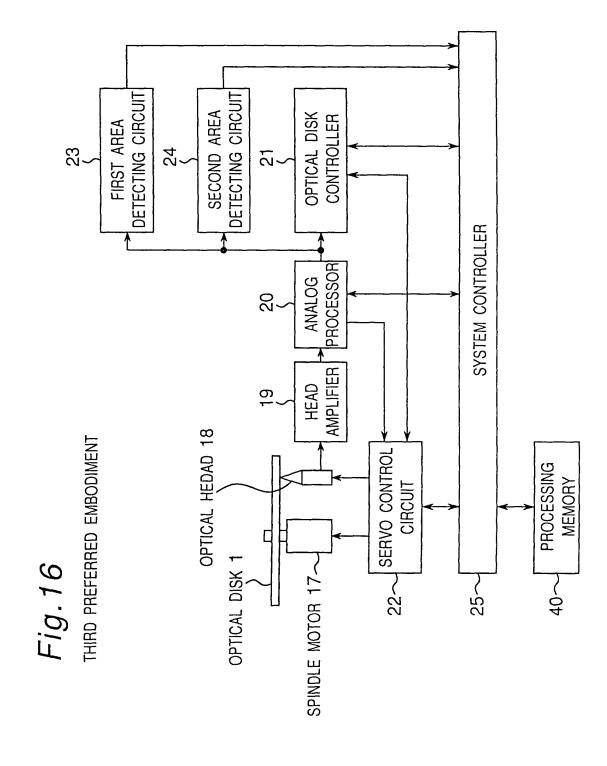


Fig. 17

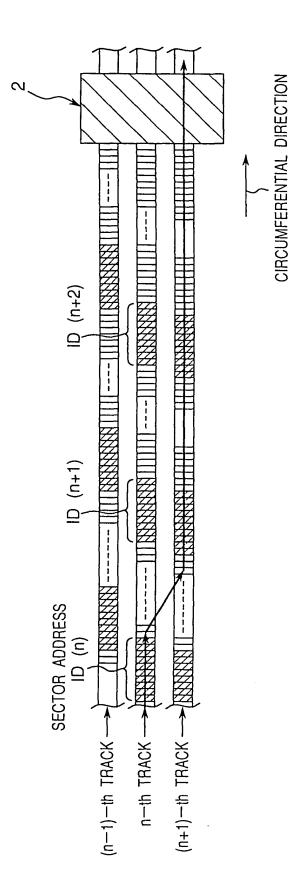


Fig. 18

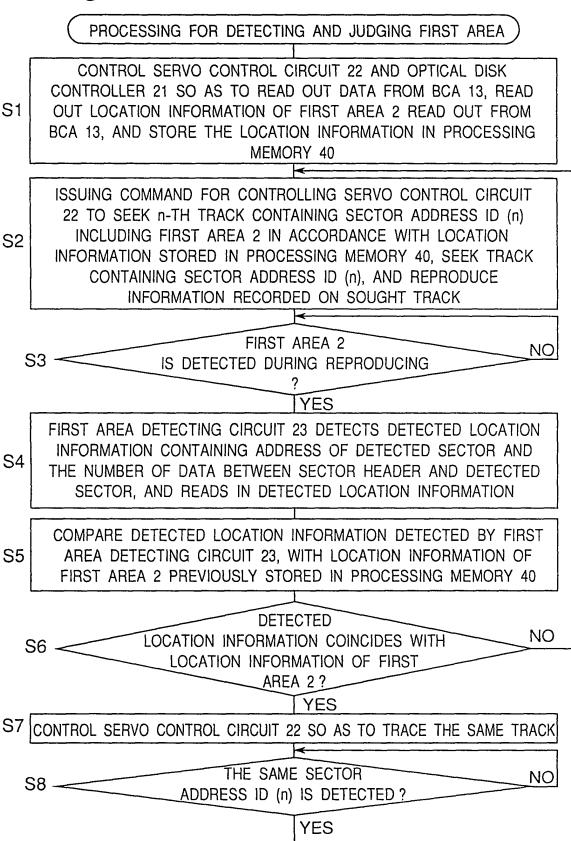


Fig.19

